Formative Assessment Task

2nd Grade: Number and Operations in Base Ten

**Standard 2.NBT.2: Count within 1000; skip-count by 5s, 10s, and 100s.**

**Materials and Directions:**

1. Make base ten blocks or Digi Blocks available.
2. Place the following problems on the board or make a paper copy.
3. Observe how the student models and solves the problem. Ask why they placed a number in the blank spot.

Complete the pattern

1) 460, 470, 480, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

2) \_\_\_\_\_, 562, 662, 762, \_\_\_\_\_, \_\_\_\_\_

**Considerations:**

Can they explain that they are adding 10 and 100? Pay close attention to the ones place in both patterns. Students should notice that the digit in the ones place does not alter when we are adding 10 or 100.





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| Teacher notes: |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Not yet:** Student shows evidence of misunderstanding, incorrect concept or procedure | | | **Got It:** Student essentially understands the target concept. | | | | **NEEDS IMPROVEMENT**  **(N)** | | **WITH ASSISTANCE**  **(W)** | | | **INDEPENDENT**  **(I)** | | **0 Unsatisfactory:**  **Little Accomplishment**  The task is attempted and some mathematical effort is made. There may be fragments of accomplishment but little or no success. Further teaching is required. | **1 Marginal:**  **Partial Accomplishment**  Part of the task is accomplished, but there is lack of evidence of understanding or evidence of not understanding. Further teaching is required. | | **2 Proficient:**  **Substantial Accomplishment**  Student could work to full accomplishment with minimal feedback from teacher. Errors are minor. Teacher is confident that understanding is adequate to accomplish the objective with minimal assistance. | **3 Excellent:**  **Full Accomplishment**  Strategy and execution meet the content, process, and qualitative demands of the task or concept. Student can communicate ideas. May have minor errors that do not impact the mathematics. | |   Adapted from Van de Walle, J. (2004) Elementary and Middle School Mathematics: Teaching Developmentally. Boston: Pearson Education, 65 |